Food Safety: Trade Barrier or Trade Enhancer?

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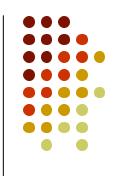


Overview



- Food safety issues and disputes in trade are increasing due to changes in the global food system.
- But, food safety is improving and barriers to trade are being reduced by public agencies and private industry.

Food Safety Gets More Attention— Public health



- Emerging pathogens, such as BSE / nvCJD and E.coli O157:H7
- Rising incidence of food borne illness in some countries
- Increased monitoring and understanding of long term consequences

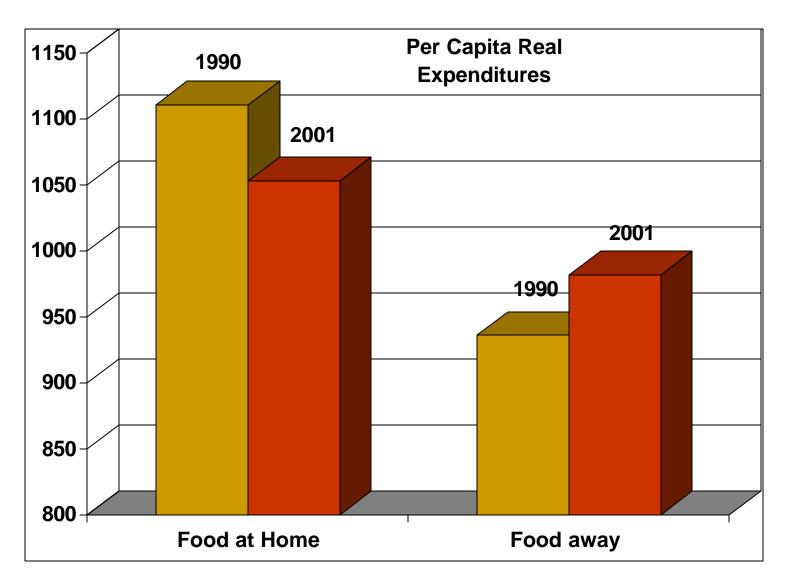
Food Safety Gets More Attention— Changing Food System



- More food prepared away from home
- International trade in fresh and minimally processed food products rising
- Increased consumption of animal and fish products and changes in how produced
- Growing consumer awareness, rising incomes lead to demand for greater safety

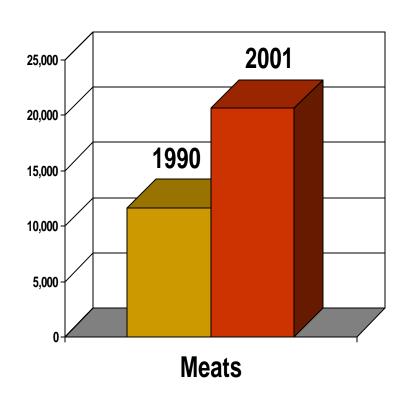
U.S. Consumers Spend More on Food Away from Home

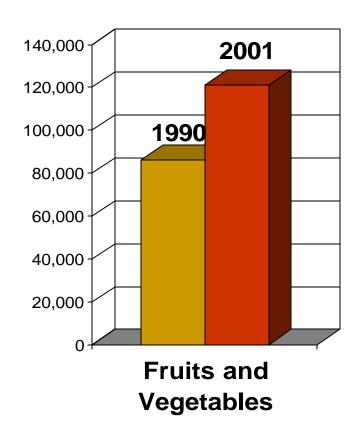




World Trade in Perishables Has Increased







Rich Countries Import Fish, Fruit, Vegetables & Export Meat, Cereals



Net imports (million mt)	High Income Countries	Developing Countries
Fish	9,857	-7,044
Fruit and Veg	33,195	-43,198
Meat	-3,031	1,591
Cereals	-119,197	113,151

Food Safety Gets More Attention– Rising Standards



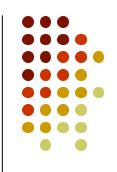
- Existing standards made more stringent
 - U.S. FQPA for pesticide residues
 - EU mycotoxin standards
- New standards for emerging hazards
 - EU BSE regulations for feeds, traceability
 - U.S. Pathogen Reduction regulation

Food Safety as a Potential Trade Barrier, and Vice Versa



- Differences in how food is produced and eaten means risks vary
- Trade may introduce unfamiliar hazards or new hazards can disrupt trade
- Standards vary and may not be easy to enforce by testing at borders
- Costs associated with meeting varying standards, monitoring, certifying

Food Safety Trade Issues for U.S. Commodities



- Export sectors
 - market access
- Import sectors
 - consumer safety
- Both sectors
 - Product reputation
 - "Level playing field" in application of standards

Food Safety Disputes in U.S. Export Sectors



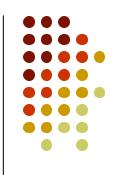
- Meat and Poultry
 - Growth hormones
 - Antibiotic use
 - Salmonella standards
 - BSE
- Grains
 - use of animal by-products in feeds
 - GMO labeling

Sample Case– BSE Regulations



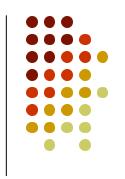
- U.S. should have advantage due to no infections and early feed use intervention
- EU regulations in 2000:
 - Put U.S. in next to lowest risk category
 - Excluded some U.S. beef by-products exports, eg pet food and gelatin
 - Requires greater separation of animal by-products in feed supply chain
- Emerging hazard has consequences even when U.S. not infected

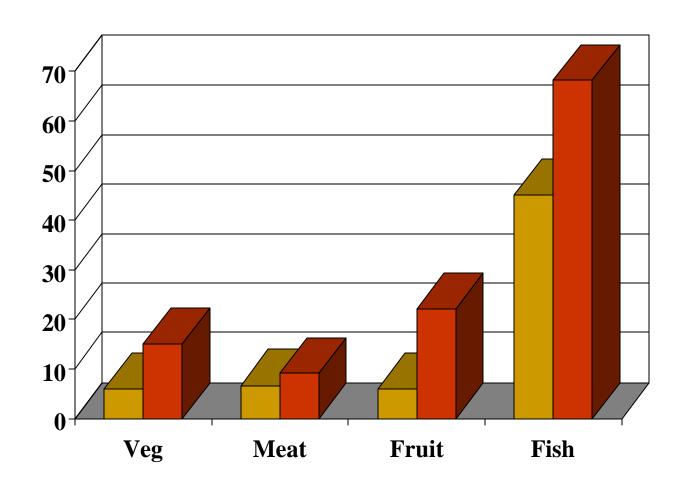
Food Safety Disputes for U.S. Imports



- Consumption and imports growing for seafood, fruits/vegetables
- Most imports are from LDCs
- Risks from imported food sources similar to risks from domestic sources
- Seafood—
 - microbial pathogens and other sanitary issues
- Fruits/vegetables—
 - pesticide residues, occasional microbial issues

Import Share of U.S. Food Consumption Has Grown







FDA Import Detentions for Adulteration, 2001 (preliminary)



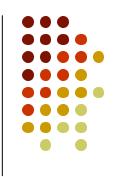
Product category	No. detentions	Most important reason
Vegetables	6,247	Pesticides
Fishery	5,561	Salmonella
Fruit	2,694	Filthy
Dairy	1,259	Listeria
Cereal	888	Filthy
TOTAL- all products	18,583	

Sample Case- Guatemalan Raspberries



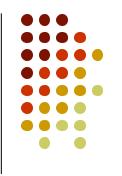
- 1996 outbreak of Cyclospora traced to Guatemalan raspberries
- 1997 voluntary export embargo; loss of market share to Mexico
- 1999 joint industry/govt program to manage and audit food safety; number of growers reduced
- Product reputation impact for U.S. producers
 eg
 CA strawberries
- Development and use of FDA GAPs for domestic and foreign suppliers result from these kinds of outbreaks

Summary of Issues for U.S. Commodities



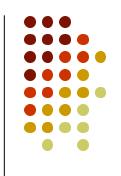
- Export sectors
 - Risk management is globally shared
 - Continued disagreements with EU over both risk standards and methods of risk management
- Import sectors
 - Technical assistance is playing a role in helping LDCs adapt to higher standards
 - U.S. producers can have new standards, product reputation impact

Overview



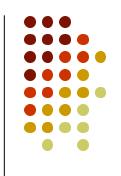
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Food Safety as a Potential Trade Enhancer, and Vice Versa



- Growing demand for quality attributes, including safety, is driving changes in food system
- Trade and value are enhanced for producers that can manage and certify product attributes
- Trade can provide alternatives for consumers and potentially lower costs of safety

Reducing Barriers-- The Public Sector



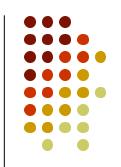
- Common approaches to food safety regulation emerging in industrialized nations
- HACCP used as regulatory standard with farm to table risk assessment
- New agencies formed in many countries with greater health focus
- Greater public role for certification of food safety and quality

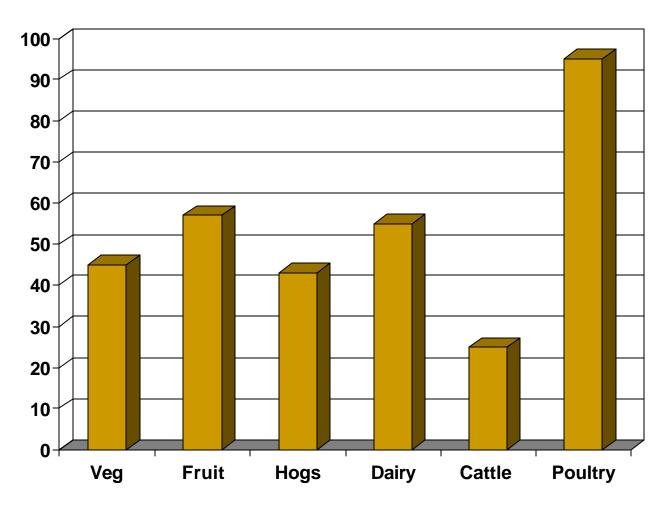
Reducing Barriers-- The Private Sector



- Safety is only one of many attributes that increasingly demanded by consumers
- Use of "meta-systems" for quality assurance such as HACCP, ISO 9000, GAPs
- Increased vertical coordination and use of contracting in all ag sectors
- Increased use of third party certification, sometimes in partnership with public sector

Contract Production is Common for Many U.S. Commodities





Percent of Production Under Contract, 1998

Public Sector Can Support Industry Food Safety Efforts



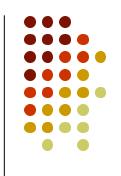
Approach	Partnership Example
Guidelines	UK – <i>FABPIG</i> guidelines for farms to reduce <i>Salmonella</i> in pigs
	US - Good Agricultural Practices to reduce microbial hazards in fresh fruits and vegetables
Third Party Certification	US - Quality Through Verification program certifies that fresh produce is produced under HACCP
	Netherlands - <i>IKB</i> programs for livestock producers

Reducing Barriers— The SPS Agreement



- 1995 Uruguay Round result
- Principles for setting SPS standards
 - Transparency
 - Science-based
 - Equivalence
 - National sovereignty
 - Harmonization through Codex

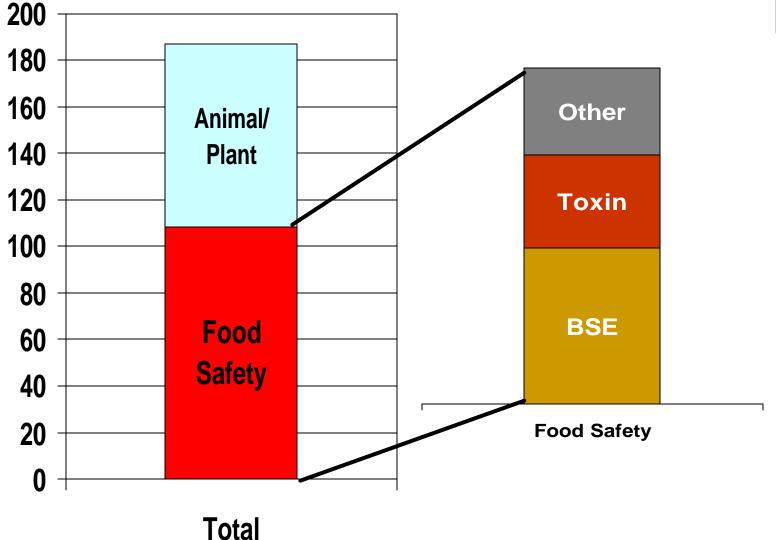
SPS Agreement Progress in Dispute Resolution



- Improved transparency and many disputes resolved before formal process
- Less progress on equivalency or harmonization
- Beef growth hormone dispute is unique, but does raise questions about the role of science and consumer perceptions

Cross-Notifications Filed under SPS, 1995-2001



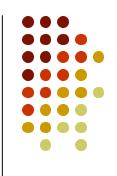


Summing Up- Barrier or Enhancer?



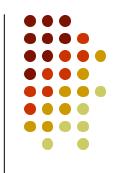
- Good news-- enhancement underway
 - International food trade increasing in volume, value, variety with remarkably little disruption
 - Progress in
 - International framework
 - Common approaches to regulation
 - Use of private standards

Summing Up— Barrier or Enhancer?



- Bad news-- barriers remain
 - Increased trade or new hazards create high profile disruptions in trade
 - Rising standards create challenges for new market entrants, particularly LDCs
 - Differences in risk perceptions and preferences make some disputes difficult to resolve

Summing Up- Food Safety is an International Public Good



- Shared responsibility for food safety extends across borders
- Industry reputation and consumer health are international public goods
- Barriers can be reduced, industry reputation enhanced, consumer choice enlarged, and food safety improved